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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

### Complete if Known

Application Number	10/580,552
Filing Date	May 26, 2006
First Named Inventor	Beverly BROWN et al.
Group Art Unit	1621
Examiner Name	Chukwuma O. Nwaonicha
Attorney Docket Number	MERCK-3181

### U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
	1	5,936,259		Katz Howard Edan et al.	08-10-1999

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	2	WO	03016599		Asahi Kasei Kabushiki Kaisha	2-27-2003		
	3	JP	2001-242808		Takashi Minakata	9-17-2002		Equiv to cite 8
	4	JP	05055568		Asahi Chem Ind Co Ltd	03-05-1993		

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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. Number refers to English language corresponding family member.

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Sheet	2	of	2	Attorney Docket Number	MERCK-3181

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	5	ANTHONY, EATON, PARKIN: "A Road Map to Stable, Soluble, Easily Crystallized Pentacene Derivatives" ORGANIC LETTERS, vol. 4, no. 1, 15 December 2001 (2001-12-15), pages 15-18, XP002427517.	
	6	ANTHONY, BROOKS, EATON, MATSON, PARKIN: "Synthesis, properties and device applications of functionalized acenes" PROCEEDINGS OF THE SPIE, vol. 5217, 3 August 2003 (2003-08-03), - 2003 pages 124-132, XP002427518.	
	7	PAYNE M M ET AL: "Organic Field Effect Transistors from Solution Deposited Functionalized Acenes with Mobilities as High as 1 cm <sup>2</sup> /V.s" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, D.C., US, col. 127, no. 14, 19 March 2005 (2005-03-19), pages 4986-4987, XP008066061 ISSN:0002-7863.	
	8	LAQUINDANUM J G ET AL: "Synthesis, Morphology And Field-Effect Mobility Of Anthradithiophenes" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, D.C., US, vol. 120, 16 January 1998 (1998-01-16), pages: 664-672, XP001152952 ISSN: 0002-7863.	
	9	Patent Abstract of Japan - Publication No. 05055568 A - "Thin Organic Film Transistor", Asahi Chem Ind Co Ltd.	
	10	J.S. Brooks, "Electronic and optical properties of functionalized pentacene compounds in the solid state", Current Applied Physics 1 (2001)301-306.	
	11	Translation of JP Application 2001-242808, Application Date: August 9, 2001, Application No. P 2001-242808 - "Organic Semiconductor Solution, Organic Semiconductor Thin Film, And Organic Semiconductor Element", Takashi Minakata, pages 1-14.	
	12	Marcia M. Payne, "Stable, Crystalline Acenedithiophenes with up to Seven Linearly Fused Rings", Organic Letters 2004, Vol. 6, No. 19 - 3325-3328.	
	13	D.R. Maulding et al., "Electronic Absorption and Fluorescence of Phenylethynyl-Substituted Acenes", The Journal of Organic Chemistry, Vol. 34, No. 6, June 1969, pages 1734-1736.	
	14	Minakata, Takashi, HCAPLUS COPYRIGHT 2007 ACS on STN, 2003:154660 "Organic semiconductor components with pentacene-coated transistor films.	

Examiner Signature		Date Considered	
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